

09/07/092

## ABSTRACT OF THE DISCLOSURE

1        This invention pertains to the design of optimized far field viewing devices that  
2 simultaneously produce bright far field holographic light patterns and achieve good see-  
3 through performance to present a well focused scene. A far field transmission hologram  
4 recorded on a transparent substrate has regions having high diffraction efficiency  
5 juxtaposed with regions having low diffraction efficiency. The high diffraction efficiency  
6 regions contribute to production of bright far field holographic light patterns, whereas the  
7 low diffraction efficiency regions contribute to see-through performance.

00021002-000200